

ARG58748 anti-TIM3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TIM3
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TIM3
Species	Human
Immunogen	Synthetic peptide corresponding to 16 aa. (near the N-terminus) of Human TIM3.
Conjugation	Un-conjugated
Alternate Names	KIM-3; TIM3; TIMD-3; Tim-3; TIM-3; CD366; T-cell immunoglobulin and mucin domain-containing protein 3; TIMD3; T-cell membrane protein 3; HAVcr-2; T-cell immunoglobulin mucin receptor 3; Hepatitis A virus cellular receptor 2

Application Instructions

Application table	Application	Dilution
	IHC-P	2 µg/ml
	WB	1 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	37 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

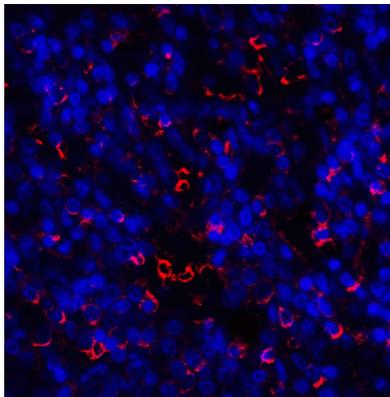
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

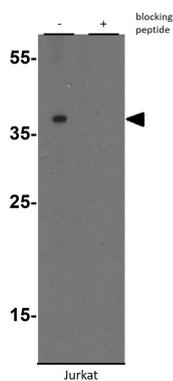
Gene Symbol	HAVCR2
Gene Full Name	hepatitis A virus cellular receptor 2
Background	The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance. [provided by RefSeq, Sep 2011]
Function	Regulates macrophage activation. Inhibits T-helper type 1 lymphocyte (Th1)-mediated auto- and alloimmune responses and promotes immunological tolerance. May be also involved in T-cell homing. Receptor for LGALS9. [UniProt]
Calculated Mw	33 kDa
PTM	O-glycosylated with core 1 or possibly core 8 glycans. Phosphorylated on tyrosine residues; modestly increased after TCR/CD28 stimulation. Can be phosphorylated in the cytoplasmic domain by FYN (By similarity). Phosphorylation at Tyr-265 is increased by stimulation with ligand LGALS9. [UniProt]

Images



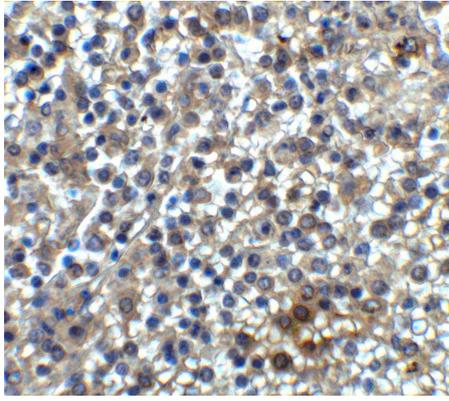
ARG58748 anti-TIM3 antibody IHC image

Immunohistochemistry: Human spleen tissue stained with ARG58748 anti-TIM3 antibody at 20 µg/ml dilution.



ARG58748 anti-TIM3 antibody WB image

Western blot: Jurkat cell lysate stained with ARG58748 anti-TIM3 antibody at 1 µg/ml in the absence (-) or the presence (+) of blocking peptide.



ARG58748 anti-TIM3 antibody IHC-P image

Immunohistochemistry: Human spleen tissue stained with ARG58748 anti-TIM3 antibody at 2 $\mu\text{g}/\text{ml}$ dilution.